

November 19, 2008

ADDENDUM NO. 2

**FOR THE CONSTRUCTION OF THE
KIRK COMMUNITY AND SENIOR CENTER**

Notice is hereby given that the following revisions, additions, and/or deletions are hereby made a part of and incorporated into the plans and specifications for the Kirk Community and Senior Center.

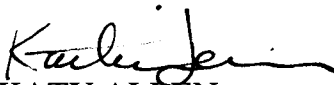
Attached are following items:

- 1) QUESTIONS & ANSWERS - from non-mandatory pre-bid meeting of November 3, 2008
- 2) PROJECT MANUAL – City bid documents and technical specifications.
- 3) PLANS

INSTRUCTIONS

The bidder must sign this addendum in the space provided below and return one signed copy with the bid. **Failure to return the signed copy with bid documents shall not relieve the bidder of the obligation to include this addendum to the bid proposal. Bidder's failure to sign and submit any or all addenda with the bid shall be cause for rejection of the bid.**

APPROVED BY:

for 
KATY ALLEN
Director
Public Works Department

Bidder's Name _____

Signature and Title of Bidder

Date

KJ:lm

November 17, 2008

**ADDENDUM NO. 2
FOR THE CONSTRUCTION OF THE
Kirk Community and Senior Center**

Notice is hereby given that the following revisions, additions, and/or deletions are hereby made a part of and incorporated into the plans and specifications for the Kirk Community and Senior Center.

I. QUESTIONS & ANSWERS

Refer to the following questions and answers generated at the Pre-Bid Meeting held on November 3, 2008 for additional information and clarifications.

- 1Q. What is the estimate for the project, and does it include the add-alternates?
 - 1A. The estimate is 1.8 million and this includes the add-alternate bids. Please see the Special Provisions section of the Bid Documents in the Project Manual and the Engineers Estimate on the Bid Hotline.
- 2Q. Will the facility be open to the public during construction?
 - 2A. Please refer to item 1 of the Project Manual Section of this Addendum.
- 3Q. Will there be any permitting required by the contractor?
 - 3A. Please refer to Special Provision Section of Division 0 of the Project Manual.
- 4Q. Are the kitchen appliances to be supplied by the contractor?
 - 4A. Any kitchen appliances designated as new on the drawings will be supplied by the contractor. Please see the Construction Drawings.
- 5Q. Will there be any asbestos containing material that needs to be removed?
 - 5A. Yes, there is a small amount of asbestos containing material that will need to be removed. Please see Section 8 under Division 0 of the Project Manual.
- 6Q. Will there be any permitting required for removal of the tree?
 - 6A. No. Please see Attachment 2 under Division 0 of the Project Manual.
- 7Q. Will the furniture be moved out of the building prior to beginning of work?
 - 7A. Yes, all furniture will be moved out of Building A by City Personnel prior to start of work.
- 8Q. What is the tentative date for the Notice to Proceed?
 - 8A. The Notice to Proceed is subject the requirements in Division 0. The tentative target schedule is the 1st week of February, 2009.
- 9Q. Are all of the buildings at Kirk Community Center going to have new electrical work?
 - 9A. All buildings at the Community Center with the exception of the Theatre, will have electrical work performed per the Construction Documents.
- 10Q. Who will handle room closure coordination in order for the electrical work to be done?
 - 10A. Please see item 1 of the Project Manual (Part II) of this Addendum.
- 11Q. Will the contractor be responsible for paying for utilities during construction?
 - 11A. The contractor shall refer to Technical Specification Section 01500 Temporary Facilities and Controls.
- 12Q. Will there be any sprinklers installed?
 - 12A. No sprinklers will be required. Please refer to the Construction Drawings.
- 13Q. Are there any add alternatives?
 - 13A. Yes. Please refer to Division 0 under Contract Documents in the Project Manual.

- 14Q. Is there a soils report for the project?
14A. No, please refer to the Structural Drawings.
- 15Q. Who handles the inspections?
15A. The City of San Jose has its own City Inspectors and City's Testing Lab that will be utilized for the project.
- 16Q. Can the contractor use one of the empty rooms in the rear wing for staging?
16A. Yes, the Contractor may use one of the empty rooms in Building A at their own risk. The City of San Jose will not be responsible for supervising materials, etc. left in the room. Please see item 21 of the Plans (Part III) of this Addendum.
- 17Q. Where will the staging area and parking be for the contractor and workers?
17A. Please see item 21 of the Plans (Part III) of this Addendum.
- 18Q. Will DVBE or Minority owned, or Women owned, or local sub-contractor participation be required?
18A. There is no such requirement.
- 19Q. Is it the Contractor's responsibility to carry Builders Risk Insurance?
19A. Yes, Please refer to Attachment 4 of Division 0 of the Project Manual.
- 20Q. Who needs to sign the addenda?
20A. The General Contractor has to sign the addenda and provide the signed copy when they present their bid.
- 21Q. Is there a Project Labor Agreement on this Bid?
21A. No, there is no Project Labor Agreement.

II. PROJECT MANUAL

1. Section 01500 – **Add** Part 3.1D: The entire building A and building D will be shut down. The classrooms in Building B will be open until such time that it is required to close them for construction. It is the Contractor's responsibility to provide the City of San Jose 30 days notification of request for closure for Building B.
2. Section 00007 – Attachments: **Add** Pre-bid Meeting Sign-in sheet in its entirety.
3. Section 02795 – Permeable Pavers: **Replace** part 1.4B – Samples, "Exopaver" with "Ekopaver".
4. Section 02810 – Landscape Irrigation: **Replace** section in its entirety with the new Section 02810.
5. Section 02900 – Planting: **Replace** item 2, "Shrub Area/ Planter basin Mulch: Small fir bark derived from raw fir bark, ground and screened to ½" – 1" size, reddish to brown in color (KEEP 2" AWAY FROM STEM/TRUNK OF PLANT). Note: Recycled material will not be accepted".
6. Section 03300 – Cast in-place Concrete: **Replace** part 3.14 – Schedule for the following compressive strength of concrete:
 - a) Slab on grade (Interior Floor) – 3,000 psi.
 - b) Slab on grade (Exterior Walkways) – 3,000 psi.
7. Section 15440 – Plumbing Fixtures: **Add** the following paragraph as Part 2.9
2.9 URINALS
 - a. Wall mount, white, vitreous china, washout urinal 3/4-inch top spud, 1 gallon per flush.
 - b. Installation shall comply with CBC Disabled Access regulations.
 - c. Fixture: Metacraft 4110, 1.6 GPF, Blowout Flush Action, Wall Hung.
 - d. Provide fixture with 14-inch minimum rim extension when measured from the mounting wall.
 - e. Flush Valve: Sloan Royal #611 concealed or equal.
 - f. Carrier: Zurn Z-1212 Support.
 - g. Carrier: Provide carrier support for barrier-free mounting height of 17 inches maximum to top of rim from finished floor.
8. Section 17770 – Assistive Listening System: **Revise:** Part 2.2.C.1 to read "14-gauge single-conductor stranded, white. Route within Wiremold 400, non-metallic surface raceway or equal.

III. PLANS

1. G0.0: **Replace** Espinosa Surveying phone number to (559) 442-0883.
2. A2.0: **Add** General Note number 5: Remove portion of the existing ceiling where new blocking for the support of the new HVAC units and ductwork are installed. Patch and repair finishes as required to match existing ceiling finishes.
3. A2.0: **Add** note to detail 3 for the removal of gypsum board at plumbing wall of Building D. (See attached drawing 1/AD-2)
4. A2.0: **Add** note to detail 4 for the removal of acoustical ceiling where the new kitchen area is located. (See attached drawing 2/AD-2)
5. A2.0: **Add** note to detail 4 for the removal of the casework and cap of the existing plumbing temporarily at the fire barrier between Classroom 15 & 16. (See attached drawing 3/AD-2)
6. A3.2: **Add** note to detail 2 for the tapered section of the exposed rafter joist of the roof. (See attached drawing 4/AD-2)
7. A3.1: **Add** note to remove and replace existing glazing with tempered glazing for windows adjacent to new doors. (See attached drawing 5/AD-2)
8. M3.1: **Add** note to detail 7 for the spacing of the ½" dia. threaded rod per SMACNA requirement. See specifications for additional information.
9. P2.1: **Remove** trap primers (TP) shown adjacent attached to floor drain (FD) on Men and Women toilet. Connect the flexible tubing to the FD's.
10. P0.0: **Replace** detail 2 in its entirety. (See attached drawing 6/AD-2)
11. E0.0: **Revise** the Signal and Communication Legend description for the Telephone/Data Outlet to indicate "4 cable drops at each outlet U.O.N."
12. E1.0: **Revise** the note in detail 1 regarding the conductor and conduit between Building B and C to read as follows: "6 strands, single-mode fiber in 4-inch conduit." The reference to sheet Note 4 will still apply.
13. E2.2: **Revise** Detail 1 as follows:
 - a) STA. 1 OFFICE – Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in the conduit from the telephone/data outlet back to MDF2 from 2 to 4.
 - b) MGR'S OFFICE – Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in the conduit from the telephone/data outlet back to MDF2 from 2 to 4.
 - c) OFFICES - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in the conduit from the telephone/data outlet back to MDF2 from 2 to 4.
 - d) STA. 2 OFFICE - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in the conduit from the telephone/data outlet back to MDF2 from 2 to 4.
 - e) STA. 3 OFFICE - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in the conduit from the telephone/data outlet back to MDF2 from 2 to 4.
 - f) LOUNGE - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in the conduit from the telephone/data outlet back to MDF2 from 2 to 4.
 - g) (E) MULTI-PURPOSE – Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in each conduit from the telephone/data outlets back to MDF2 from 3 to 6.
 - h) (E) CLASSROOM 16 - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in each conduit from the telephone/data outlets

- back to MDF2 from 6 to 8. Add 8 additional CAT 6 cables in an additional 1-1/4 inch conduit from the telephone/data outlets back to MDF2.
- i) (E) CLASSROOM 15 - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in each conduit from the telephone/data outlets back to MDF2 from 7 to 10. Add 8 additional CAT 6 cables in an additional 1-1/4 inch conduit from the telephone/data outlets back to MDF2.
 - j) (E) CLASSROOM 14 - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in each conduit from the telephone/data outlets back to MDF2 from 4 to 8.
14. E2.2: **Revise Detail 2** as follows:
- a) (E) CLASSROOM 8 - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in the conduit from the telephone/data outlets back to IDF2 from 4 to 8.
 - b) (E) CLASSROOM 7 - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in the conduit from the telephone/data outlets back to IDF2 from 4 to 8.
 - c) (E) CLASSROOM 6 - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in each conduit from the telephone/data outlets back to IDF2 from 7 to 10. Add 8 additional CAT 6 cables in an additional 1-1/4 inch conduit from the telephone/data outlets back to IDF2.
 - d) (E) CLASSROOM 5 - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in each conduit from the telephone/data outlets back to IDF2 from 6 to 8. Add 8 additional CAT-6 cables in an additional 1-1/4 inch conduit from the telephone data outlets back to IDF2.
 - e) (E) CLASSROOM 4 - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in each conduit from the telephone/data outlets back to IDF2 from 6 to 9. Add 9 additional CAT-6 cables in an additional 1-1/4 inch conduit from the telephone/data outlets back to IDF2.
 - f) (E) CLASSROOM 3 - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in each conduit from the telephone/data outlets back to IDF2 from 4 to 8.
15. E2.2: **Revise Detail 3** as follows:
- a) (E) CLASSROOM/KINDERGARTEN ROOM K1 - Provide 4 cable drops at each telephone/data outlet rather than 2. Increase the quantity of the CAT 6 cables in the conduit from the telephone/data outlets back to IDF3 from 4 to 8.
16. L-5: **Replace** detail 7 in its entirety. (See attached drawing 7/AD-2)
17. L-5: **Replace** detail 9 in its entirety. (See attached drawing 8/AD-2)
18. L-5: **Replace** detail 10 in its entirety. (See attached drawing 9/AD-2)
19. L-5: **Replace** detail 13 in its entirety. (See attached drawing 10/AD-2)
20. L-5: **Replace** detail 14 in its entirety. (See attached drawing 11/AD-2)
21. C-1.4: **Add** detail 3 to the sheet in its entirety for the fence limit of work. (See attached drawing 12/AD-2)

End of Document

Meeting Sign-In

PARKS & RECREATION FACILITIES DIVISION

KIRK COMMUNITY CENTER

Pre-Bid Meeting Sign-In Sheet

10:00 a.m. Monday, November 3, 2008

	NAME	COMPANY	TEL.
	DITCE LERUJINE		650 465-1213
general	BREAS MARTIN	ASSOCIATE	650 364 8141
General	Izet Pondric	B-BROS CONSTRUCTION, INC	810-351-3048
			510-351-9575 FAX
General	Michael Zhang	Quality Plus Construction	510- 351 -6681128
			510-7400965
General	LARRY KENT	KENT CONSTRUCTION	(408) 846-5550
			(408) 846-5660 FAX
General	John Fitzgerald	Rockaway Construction	650-738-9920
			650-359-6356 FAX
General	Victor Sam	REGAL NU BAY	925 461 5550 X131
			925 461 5551
General	RICK NG	ETERNAL CONSTRUCTION, INC	PH 650-589-8327 FAX 650-589-8328
General	Wictai	Gen Con	891-712-5678
general #			
sub-contractor	Ed Esse	Phase 3 Comm.	405-946-9011
General #			
sub(electrical)	MARY Siddle	G. B. & G. C.	408-827-2320.
General	DAVID SURIAN	FRANK SURIAN + SONS	408-848-1505 FAX 848-5124
General	Jared Perry	Calstate Construction	510-657-1800 FAX 510-657-1810
Sub Abatement	Jackie Ijezul	American Technologies Inc	510-421-5000/421-5010
	Kristen McCormick		

Meeting Sign-In

PARKS & RECREATION FACILITIES DIVISION

KIRK COMMUNITY CENTER

Pre-Bid Meeting Sign-In Sheet

10:00 a.m. Monday, November 3, 2008

	NAME	COMPANY	TEL.
General	jsnow@d1sfalk.com Jeff Snow	D.L. Fink Const	(510) 887-6500 ASK FOR JOEY COITA
General	BEN ORTIZ	JOHN PLANE	415-468-0555
General	Tom Noy	RAM BUILDING	408-479-9756
	SATHERIDE HOGAN	HOGAN CONST. CO. INC.	831-636- 7200 5827
General	Craig Olivier	ADC-Construction Management	408-297-1881
General	HABIB MONERRI	ICC GEN. CONT.	(408) 733-6656
Sub Abatement	ALFONSO RICO	SOUTHWEST HAZARD C.	(510) 352-5152
General	Jack Collier	Coast Side Associates	650-728-7157
General	Daniel Riqueros	AIRMAZE SERVICES	(408) 338-0333
General	DENNIS BRILL	KUENNE CONST	408-732-4057
Sub Abatement	Tray McHenry	A.S. Feller Inc	(559) 244-0447
General & Sub	PRITOM GREWA	Grewa Electric & Mech	408-887-2380
General & Sub	Guray Sidhu	Guray Electric & Mech	408-887-2380
General & Sub	Brian Alexander	Grewa	408-469-6400
General	LIAMNE ADAMS	F.D. GUELLETTE & SONS	408/226-9400

SECTION 02810 LANDSCAPE IRRIGATION

PART 1 GENERAL

1.1 SCOPE

- A. Includes furnishing all labor, materials, tools and equipment required to provide and install the irrigation system specified herein and required to complete the work per the Plans.
- B. Related work:
 - 1. Section 02200 – Earthwork and Grading;
 - 2. Section 02910 – Planting.

1.2 REQUIREMENTS OF REGULATORY AGENCIES

- A. Comply with all local and state codes, ordinances, safety orders, and regulations of all legally constituted authorities having jurisdiction over this work.
- B. All work shall conform to State and local codes and the latest version of the "South Bay Water Recycling (SBWR) Rules and Regulations." All irrigation and potable water piping installation shall be installed to meet requirements for present or future recycled water use. Refer to the plans and these specifications for required materials and proper installation procedures for recycled water and potable water piping installation. Where both SBWR details and City details are shown for irrigation pipe trench backfill, the City details shall prevail.
- C. Obtain and pay for all necessary permits and all inspections required by authorities stated above.
- D. Notify the Landscape Architect in the event any equipment or methods indicated on the drawings or in the specifications conflict with local codes, prior to installation. In the event this notification is not performed, the Contractor must assume full responsibility for revisions necessary.

1.3 PROTECTION

- A. Contractor shall call USA, ((800) 227-2600), a minimum of 48 hours prior to any excavation.
- B. Contractor shall check for located existing structures, electric cables or conduits, utility lines and other existing features or conditions above or below ground level that might be damaged as a result of this operation. Questions or conflicts arising out of such examination prior to or during operation shall be immediately directed to the attention of the Landscape Architect for necessary action or decisions before resuming operations. Contractor shall be responsible for repair or replacement, at no cost to Owner, for features or condition damaged through failure to comply with above procedures.

1.4 SUBMITTALS

- A. Record Drawings
 - 1. The Contractor shall maintain a complete and accurate set of record drawings. These drawings must be kept up-to-date with the progress of the work. The Owner shall furnish a set of drawings on which to record changed conditions.
 - 2. The Contractor shall indicate clearly and correctly, all work installed differently from that shown on the contract drawings. By dimensioning from two permanent points of reference (building corner, sidewalk or road intersections), show connection to existing water lines, connection to existing electrical power, gate valves, pressure supply pipe, control valves, control wiring, automatic controller, quick coupler valves, sleeve locations, and other related equipment as directed by the Owner's representative.
 - 3. Mark record sets with red erasable pencil.
 - 4. Submit 14 days prior to final inspection, one set of marked-up Contract drawings.
 - 5. After approval, the Contractor shall obtain one (1) set of transparencies of the contract drawings from the Landscape Architect, and all changes as noted on the redlined set shall be drawn on the transparencies with

waterproof ink. The transparencies shall be signed by the Contractor as complete and accurate records of work as built. This set of transparencies shall be delivered to the Landscape Architect for final approval, after which the Contractor shall make copies for the Owner, Landscape Architect, and other applicable parties.

B. Controller Charts

1. Record drawings shall be approved by the Landscape Architect before charts are prepared.
2. Provide one controller chart for each controller supplied.
3. The chart shall show each area controlled by automatic controller and shall be the maximum size controller door will allow.
4. The chart is to be a reduced drawing of the actual constructed system. However, in the event the controller sequence is not legible when the drawing is reduced, it shall be enlarged to a size that will be readable. This may involve providing more than one chart.
5. The chart will be a blackline print and a different color shall be used to show area of coverage for each station.
6. When completed and approved, the chart shall be hermetically sealed between two pieces of plastic, each piece being a minimum of 20 mils thick.
7. The chart shall be mounted using Velcro, or an approved equal type of tape. If the controller door is constructed with a pre-manufactured pocket for the controller chart, the Velcro mounting may be omitted.
8. These charts shall be completed and approved prior to final inspection of the irrigation system.

C. Manufacturers Catalogs

1. Submit for approval, manufacturers catalogs on all material to be used on the project (5 sets minimum). These catalogs are to be submitted 30 days prior to the start of any work.
2. For any submittals which necessitates additional research on the part of the Landscape Architect, to prove the product is acceptable, the Contractor will be charged on an hourly basis for this additional work.
3. Equipment or materials furnished or installed without prior approval of the Owner's representative may be rejected and the Contractor required to remove and replace such materials from the site at no cost to the Owner.

1.5 DRAWINGS

- A. For purposes of legibility, sprinkler lines are essentially diagrammatic. Although size and location of irrigation equipment are drawn to scale wherever possible, the Contractor shall make use of all data in all of the contract documents and verify this information at construction site.
- B. Interpretations: Drawings and specifications are intended to be fully cooperative and to agree. However, if the Contractor observes that the drawings and specifications are in conflict, he shall promptly notify the Landscape Architect in writing (prior to bidding and/or construction). The specification calling for any higher quality material or workmanship shall prevail. Questions regarding interpretation of drawings and specifications shall be clarified by the Landscape Architect.

1.6 PERFORMANCE REQUIREMENTS

- A. Unless otherwise provided, irrigation system layout shown on the plan shall be considered schematic. With the Landscape Architect's approval, the Contractor may make adjustments where necessary to conform to actual field conditions. The irrigation system shall be operational, with uniform and adequate coverage of areas to be irrigated, prior to planting.
 1. Utility connections shall be as shown on the plan or designated by the utility company. The Contractor shall include in his bid all costs for such utility connections shown on the plans or designated by the utility company.
- B. Water Supply
 1. The sources of water supply shall be as indicated on the drawings as P.O.C., "Point of Connection".
 2. The Contractor shall install the specified pipe, valves, fittings, wiring, switches, controls, and

appurtenances at the approximate locations indicated on the plans and as per the latest version of the "South Bay Water Recycling Rules and Regulations." The Owner's representative shall indicate specific locations. Cross connections between the irrigation/recycled water system and the potable water system are strictly prohibited at all times

- C. Contractor Responsibility: The Contractor shall ensure full coverage of the irrigation system and shall make all approved modifications necessary to accomplish full coverage.
 - 1. Contractor shall not willfully install the plumbing or sprinkler system as indicated on the drawings when it is obvious in the field that there are obstructions, grade difference and/or discrepancies in area dimensions until such conditions are brought to the attention of the Landscape Architect.

1.7 PRE-CONSTRUCTION CONFERENCE

- A. The Contractor shall schedule with the Landscape Architect and Owners Representative a pre-construction conference at least seven (7) days before beginning work under this section. Purpose of this conference will be:
 - 1. Review Contractor's questions regarding this project.
 - 2. Review administrative and inspection procedures that will occur during construction.
 - 3. Review Contractor's work schedule for this project.
 - 4. Verification of Contractor's C-27 License, Bonding and Insurance.

PART 2 PRODUCTS

2.1 GENERAL

- A. All irrigation equipment: shall be new and unused prior to installation; and shall conform to the Irrigation Plan, Legend and Specifications.
- B. Irrigation equipment which has been damaged in any way shall be replaced by the Contractor at no additional cost to the Owner. If equipment has already been installed, it shall be removed and replaced by the Contractor at no additional cost to Owner.

2.2 PLASTIC PIPE AND FITTINGS

- A. Plastic Pipe: Shall be rigid, high impact, Type I, unplasticized poly vinyl chloride extruded from virgin parent material Geon 8700A or Geon 8714. Contractor shall furnish for each shipment delivered, a statement from the manufacturer certifying use of virgin material only. The pipe shall be homogeneous throughout and free from visible cracks, holes, foreign materials, blisters, deleterious wrinkles or dents and shall conform to the following dimensions and physical properties:
 - 1. All plastic pipe shall be continuously and permanently marked with the manufacturer's name, kind of pipe, material size, IPS NFS approval, schedule and type, and date of extrusion.
 - 2. Plastic pipe shall be as manufactured by Lasco, Celanese, Pacific Western, John Manville, Brownline, Inc. or approved equal.
- B. Main Line
 - 1. Piping on the pressure side of irrigation control valves shall be purple-colored Alertline PVC Class 315 (reclaimed water piping) for sizes 2" and larger, meeting ASTM-D1784, Type I, Grade I PVC-1120 Cell Class 12454-B specifications. Use Sch.40 PVC pipe for sizes 1-1/2" and smaller.
 - 2. Install locator wires along all new mainline paths (#12 AWG), labeled/tagged per City standards.
- C. Lateral Lines
 - 1. Piping under intermittent pressure shall be purple-colored Alertline PVC Sch. 40 (reclaimed water piping), meeting ASTM-D1784, Type I, Grade I PVC-1120 Cell Class 12454-B specifications.

- D. Control Wire Conduit: Plastic pipe used as conduit for 24v. direct burial wire shall be PVC 1120-1220, Sch.40 and shall conform to ASTM D1785-73 (use grey Sch.80 wherever conduit is exposed, and sweep elbows at all corners, above and below grade).

E. Fittings and Connections

- 1. Plastic PVC fittings shall be standard weight Schedule 40 to meet ASTM D2466-73 and D2467-73.
- 2. All threaded fitting and nipples shall be standard weight Schedule 80 with molded threads. All threaded fittings and nipples exposed above grade shall be gray in color.

2.3 GALVANIZED PIPE AND FITTINGS

- A. Where indicated on the drawings, use galvanized steel pipe ASA Schedule 40 mild steel screwed pipe.
- B. Fittings shall be medium galvanized screwed beaded malleable iron. Galvanized couplings may be a merchant coupling.

2.4 WATER METERS

- A. Existing water meters to remain.

2.5 BACKFLOW PREVENTION

- A. Existing backflow prevention device to remain.

2.6 SLEEVE MATERIAL

- A. For control wires: PVC Class 315 (of sufficient diameter for ease of pulling, with minimum 50% expansion area).
- B. For water lines: PVC Class 315 (minimum 2 times line diameter).

2.7 AUTOMATIC CONTROLLER

- A. Automatic controller shall be of the size and type shown on the plans.
 - 1. Unless otherwise noted on the plans, the 120 volt electrical power to the automatic controller location to be furnished by others. The final hookup shall be the responsibility of the Contractor. Plastic pipe used as conduit for 120v. electrical wire shall be gray PVC Sch.40 manufactured in accordance with NEMA, UL and WC specifications.
 - 2. The final hookup of any/all low-voltage control wires installed shall be the responsibility of the Landscape Contractor.
 - 3. Provide complete remote control transmitter & receiver assembly.

2.8 CONTROL WIRING

- A. Connections between the automatic controllers and the electric control valves shall be made with direct burial wire AWG - U.F. No.14-600 volt, red (No.12-600v. common, white). Install in accordance with valve manufacturer's specifications.
- B. Waterproof dry-splice connectors shall be 3M #DBY-054007-09053 or approved equal.
- C. Common wires shall be white in color with a different color stripe for each controller (if applicable).

2.9 ELECTRIC CONTROL VALVES

- A. All electric control valves shall be as noted on plans and installed per details and manufacturer's specifications.

Locate all valves in shrub areas unless otherwise noted.

- B. Provide one valve box for each remote control valve.

2.10 GATE VALVES

- A. Valves shall be as indicated on the drawings and installed per the details and manufacturers recommendations.

2.11 VALVE BOXES

- A. Christy Concrete #F8 with #F-8D lid (9"x12") for quick coupler valves; #B-16 with #B-16D lid (12"x22") for control valves 1-1/2" and smaller; #B-30 with #B-30D lid (13"x24") for 2" control valves; and #B-36 with #B-36D lid (17"x30") for 3"- 4" control valves. Boxes shall be set flush with finish surface (paved areas) and flush with top of bark mulch in planter areas.

2.12 QUICK COUPLING VALVES

- A. Quick coupling valves shall have a brass body with locking cover as indicated on the drawings.

2.13 FLEX RISER

- A. Pre-manufactured triple-swing assemblies shall be KBI TSA-TT series, or approved equal (12" length for 4" and 6" pop-up sprinklers, and 18" length for 12" pop-up sprinklers. Match sprinkler inlet size.).

2.14 SPRINKLER HEADS

- A. Sprinkler heads shall be as designated on the plans and in the irrigation legend.
- B. Sprinkler heads on the same valve shall deliver matched precipitation and shall be of the same type, size and manufacturer.
- C. Minimum pop-up height. 6" for turf, 12" for shrubs.

2.15 PRESSURE REGULATION

- A. Existing pressure regulator to remain.

2.16 SWING CHECK VALVES

- A. Swing check valves shall be made of high-impact Sch.40 PVC Type II with reinforced poppet. Install per manufacturer's recommendations.

2.17 SPRING CHECK VALVES

- A. Mainline and lateral line spring check valves shall be made of high-impact Sch.40 PVC Type II with reinforced poppet (1/4 lb. spring).
- B. Above-ground riser-installed spring check valves shall be made of brown tone ultra-violet resistant material (adjustable up to 32 feet of head).

2.18 SOLVENT CEMENT

- A. Solvent cement used for bonding rigid PVC pipe and fittings up to 12" size shall be Weld-On #711 as manufactured by IPS Corporation or an approved equal. Primer for Weld-On #711 shall be Weld-On P-70 as manufactured by IPS Corporation or an approved equal.

2.19 MATERIALS TO BE FURNISHED

- A. Prior to final inspection furnish the following materials to the Owner:
 - 1. Five keys for each automatic controller;
 - 2. Two coupler keys and two cover keys for each five quick coupler valves (two min.) with garden hose bibs;
 - 3. Two sets of special tools required for removing, disassembling, and/or adjusting each type of sprinkler and valve supplied on the project;
 - 4. As-built transparencies;
 - 5. Controller operating manual and colored sectioning chart.

PART 3 EXECUTION

3.1 SITE CONDITIONS

- A. Before starting work on the irrigation system, carefully check all dimensions and grades to determine that work may safely proceed, keeping within the specified material depths.
- B. Do not willfully install the irrigation system as indicated on the drawings when it is obvious in the field that unknown obstructions or grade differences exist, that might not have been considered in the engineering. Such obstructions or differences shall be immediately brought to the attention of the Landscape Architect.
- C. The installation of all irrigation materials, including pipe shall be coordinated with the landscape drawings to avoid interfering with the trees, shrubs, or other plantings.
- D. Layout irrigation heads and make minor adjustments required due to differences between site and drawings. Any such deviations in layout shall be within the intent of the original drawings, and without additional cost to the Owner. When directed by the Landscape Architect, the layout shall be approved before installation.

3.2 PIPE AND CONTROL WIRE INSTALLATION

- A. Trenching
 - 1. Dig trenches straight and support pipe continuously on bottom of ditch. Shade pipe in trench to an even grade. Trenching excavation shall follow layout indicated on drawings and as noted. Where lines occur under paved areas, these dimensions shall be considered below subgrade.
 - 2. Provide minimum cover of 24 inches for all pressure supply lines.
 - 3. Provide minimum cover of 24 inches for all control wires.
 - 4. Provide minimum cover of 18 inches for all other non-pressure lines.
 - 5. All lines under driveway and roadway pavement shall have a 24-inch minimum cover.
- B. Backfilling
 - 1. Backfill shall not be placed until the installed sprinkler irrigation system has been inspected, tested, and approved by the Landscape Architect. Trenches shall be backfilled promptly after the open trench inspection.
 - 2. All lumber, rubbish, and large rocks shall be removed from the trenches. Pipe shall have a firm, uniform bearing for the entire length of each pipe line to prevent uneven settlement. Wedging or blocking of pipe shall not be permitted.
 - 3. After the pipe and/or conductor have been installed, the trench shall be backfilled to the level shown on the plans with white sand such as Olympia No. 2 (coarse grained sand, dirt and salt free) which shall contain no particles that would be retained on a 1/4" sieve. Sand shall be jetted lightly. Sand backfill shall be used for all irrigation pipe including laterals and main lines.
 - 4. The remainder of the backfill shall be topsoil material, which shall not be less than 8" deep.
 - 5. Trenches shall not be excessively wet and shall not contain pools of water during backfilling operations.
 - 6. Extreme care shall be exercised by the Contractor while backfilling. Any materials or equipment damaged

while backfilling shall be repaired or replaced by the Contractor as directed by the Engineer, at no cost to the City.

C. Water Supply

1. Connections to existing outlets shall be at the approximate location (s) shown on the drawings and indicated by P.O.C. "Point of Connection".

D. Pipe Fittings and Controls

1. Plastic to Plastic Fittings

- a. All plastic threaded pipe and fittings shall be assembled using Teflon tape or equivalent, applied to the male threads only.
- b. All plastic slip fittings shall be solvent welded as per pipe manufacturer's recommendations. Thoroughly clean PVC pipe and fittings of dirt, dust, and moisture prior to gluing.
- c. Slip-fix and/or compression fittings shall not be used to repair line breaks.

2. Plastic to Steel Fittings

- a. Male thread plastic into female thread steel shall be used
- b. Work the steel connection first. A non-hardening pipe dope shall be used on threaded plastic-to-metal joints.

3. Galvanized Steel Pipe and Fittings

- a. Galvanized pipe threads shall be cut with clean, sharp dies conforming to ASA Specification B-2.
- b. Threaded joints shall be made up with the best quality pure joint compound or lead paste (on the male threads only) throughout the system.
- c. Any leaky joints shall be remade with new material. Use of thread cement or caulking to make joints tight will not be permitted.
- d. Pipe installed on grade shall be anchored with "J" shaped #4 rebar, 18" long at 10 feet on center.
- e. Galvanized pipe in contact with the soil shall be wrapped with 20 mil black PVC tape.

E. Line Clearance

1. All lines shall have a minimum clearance of 3 inches from each other, and 12 inches from lines of other trades. Parallel lines shall not be installed directly over one another.
2. A minimum ten-foot (10') separation between parallel buried recycled and potable water pipelines shall be maintained where possible. In no cases is horizontal separation of less than four feet (4') allowed between buried recycled and potable water pipelines. Potable and recycled water pipelines shall not be installed in the same trench.

F. Control Wires

1. Wiring shall occupy the same trench and shall be installed along the same route as pressure supply or lateral lines wherever possible. Place wire under water lines.
2. Where more than one (1) wire is placed in a trench, the wiring shall be taped together at intervals of ten (10) feet. Tape to the bottom of the mainline at ten foot intervals where in common trench. Common and lead wires shall be a different color, with the same color being carried throughout from controller to valve.
3. An expansion curl shall be provided within three (3) feet of each wire connection and at least every one hundred (100) feet in length. Expansion curls shall be formed by wrapping at least five (5) turns of wire around a one inch pipe (or more) in diameter, then withdrawing pipe.
4. Splices shall be made with 3M waterproof connectors or equal, and done in valve boxes or pull boxes only.
5. Provide one spare wire (black) between the controller and the furthest valve in each direction (north, south, east, and west) as a minimum (4 extra wires possible), unless shown differently on the irrigation plans.

G. Thrust Blocks

1. All lines larger than 1-1/2" shall receive concrete thrust blocks at all corners, tees, elbows, and end caps. Use a minimum of 1/2 c.f. of concrete per diameter inch of pipe (i.e. 2" pipe = 1 c.f. concrete). Do not encase pipe or fittings!

H. Sleeving

1. All lines under paving (concrete and asphalt) shall be sleeved. Sleeves shall be installed in straight runs from

planter to planter. Install (pre-pipe) lines in sleeves for future connections at the time of sleeving installation. Sleeves and lines shall extend a minimum of 12" beyond any existing and/or future hardscape.

2. All control wires under paving (concrete and asphalt) shall be sleeved (use sweep ells at all corners). Install a nylon pull cord in sleeving for all wire pulls.

I. Flushing the System

1. After new irrigation pipe lines and risers are in place and connected, all necessary division work has been completed, and prior to installation of sprinkler heads, the control valves shall be opened and a full head of water used to flush out the system.

3.3 ELECTRIC CONTROL VALVES

- A. Install as indicated on the drawings.
- B. Install each valve in a separate valve box (in shrub areas only unless otherwise noted).
- C. When grouped together, allow at least 6 inches between valve boxes.
- D. Attach identification tags to each remote control valve, indicating number that corresponds with controller station number.

3.4 SPRINKLER HEADS

- A. Install heads as indicated on details. Adjust locations of heads to accommodate site conditions and to provide full coverage.
- B. Sprinkler locations shall be flagged and approved prior to installation.

3.5 ADJUSTING OF SYSTEM

- A. Adjust the control valve to obtain the design rated pressure for the sprinklers installed.
- B. Adjust all irrigation heads in each section for equal height sprays, and minimum over spray on walks, buildings and windows.
- C. If it is determined that adjustments in the irrigation equipment or nozzle changes will provide proper and more adequate coverage, make necessary changes without additional cost to Owner, prior to planting. Adjustments may also include changes in nozzle sizes and degrees of arc as required.
- D. The entire system shall be operating properly before any planting operations commence.

3.6 EXISTING TREES

- A. Where it is necessary to excavate adjacent to existing trees, contact the City Arborist prior to street excavation work and use all care possible to avoid injury to trees and tree roots. Where root diameter exceeds 2 inches, excavate by hand. Tunnel under roots 2 inches and larger in diameter (wrap root with wet burlap to prevent excessive drying while the trench is open). Where a ditching machine is run close to trees having roots smaller than 2 inches in diameter, hand-trim the wall of the trench adjacent to the tree, making clean cuts through. Paint roots 1 inch and larger in diameter with 2 coats of Tree Seal, or equal. Close trenches adjacent to tree within 24 hours; and where that is not possible, shade the side of the trench adjacent to the tree with burlap or canvas.

3.7 INSPECTION AND TESTING

- A. General
 1. In no event cover up any work prior to approval of the Landscape Architect. Any work covered prior to

inspection shall be opened to view by the Contractor at his expense. Re-examination of questionable work may be ordered by Landscape Architect, and if so ordered, any work must be uncovered by Contractor. If the work is not in accordance with the drawings and specifications, Contractor shall pay the costs of re-examination and replacement.

2. When observations have been conducted by other than the Landscape Architect, submit documentation showing when and by whom these observations were made.
3. No site inspections shall occur without updated record drawings.
4. In the event the Contractor has scheduled an inspection, and the specified work is not completed or deficient, the Contractor shall pay all costs involved for re-examination.

B. Pressure Testing - All mainlines; (and lateral lines under paving)

As soon as lines are connected and flushed-out (and prior to attaching valves), cap all outlets and hydrostatically test at 125 psi for a continuous twenty-four (24) hour period, at the end of which the lines and joints shall be inspected by the Landscape Architect (locate pressure gauge at the center of mainline system and shut off water point of connection). The Contractor shall furnish all pumping and test equipment. If leaks develop, the pipe and/or joints shall be replaced and the tests repeated until all leaks are repaired (allowable 5 psi drop in 24 hour period. Pressure must stabilize at max. 5 psi drop).

C. Operation Testing

Prior to planting, the entire irrigation system shall be placed in automatic operation and tested in the presence of the Landscape Architect for proper functioning and coverage. If it is determined that adjustments in the irrigation equipment or nozzle changes will provide proper and more adequate coverage, make necessary changes without additional cost to Owner, prior to planting. Adjustments may also include changes in nozzle sizes and degrees or arc as required.

3.8 CLEAN UP AND REPAIR

- A. Upon completion of the work, make the surface level, remove excess materials, rubbish debris, and remove construction and installation equipment from the premises.
- B. Replace and/or repair to the satisfaction of Landscape Architect existing paving disturbed during the course of work. New paving shall be the same type, texture, finish and be equal in every way to the material removed.

3.9 PRE-MAINTENANCE ACCEPTANCE

- A. Work under this section will be accepted by the Landscape Architect upon satisfactory completion of all work. Upon pre-maintenance acceptance, the Landscape Architect will give written notification to commence 90 day maintenance period.

3.10 MAINTENANCE

- A. The entire irrigation system shall be maintained for a period of 90 days following the date of pre-maintenance acceptance of the work. System shall be in good working order at the end of the maintenance period.
- B. Landscape Contractor shall be responsible for any and all damage and/or vandalism to the irrigation system, which may occur during the maintenance period or the course of work (regardless of fault). Make all repairs and provide all replacement materials and labor to the satisfaction of the Owner.

3.11 FINAL ACCEPTANCE

- A. Work under this section will be accepted by the Landscape Architect upon satisfactory completion of all work (including maintenance). Upon final acceptance and written notification, the Owner will assume responsibility for maintenance of the work.

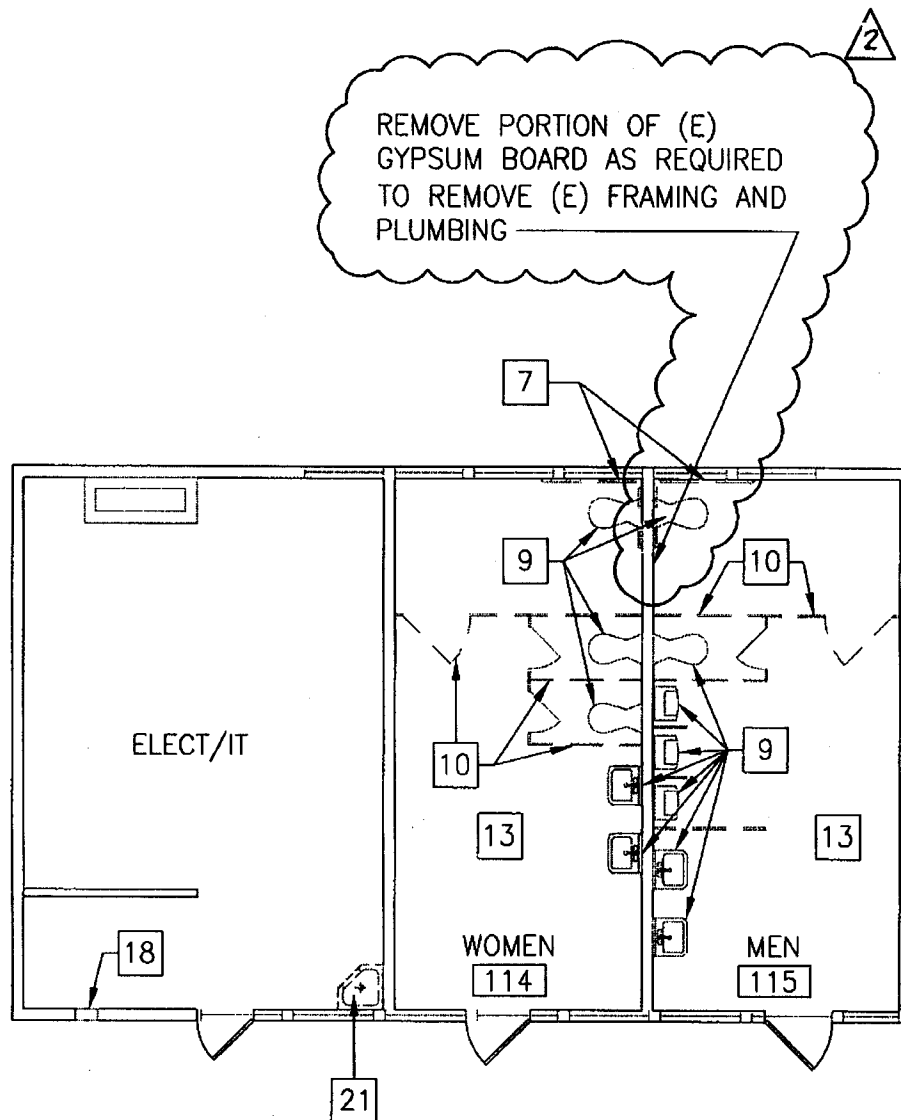
KITCHELL CEM
PROJECT NUMBER: 3536A3

CITY OF SAN JOSE
KIRK COMMUNITY & SENIOR CENTER
NOVEMBER 17, 2008

3.12 GUARANTEE

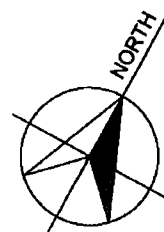
- A. The entire irrigation system shall be guaranteed by the Contractor as to materials and workmanship, including settling of backfilled areas for a period of TWO (2) years following the date of final acceptance of the work. Guarantee shall also cover damage to any part of the premises resulting from leaks or other defects in, materials, equipment, and workmanship to the satisfaction of the Owner.

END OF SECTION



2 PARTIAL DEMOLITION PLAN
— BUILDING D

1/8" = 1'-0"



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ADDENDUM #2

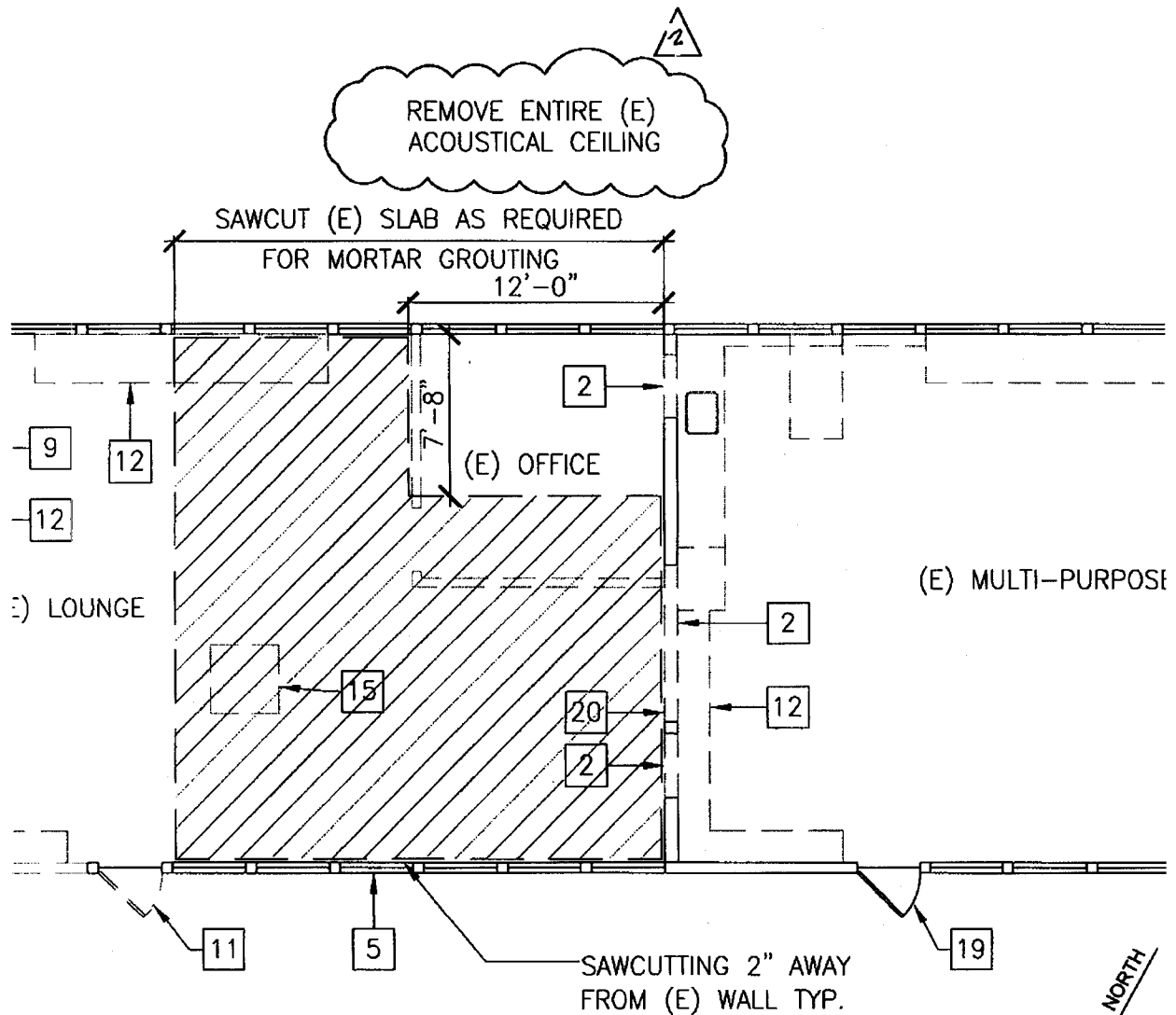
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3536A3

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1601 FOXWORTHY AVE
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2 — PARTIAL DEMOLITION PLAN — BUILDING A

1/8" = 1'-0"

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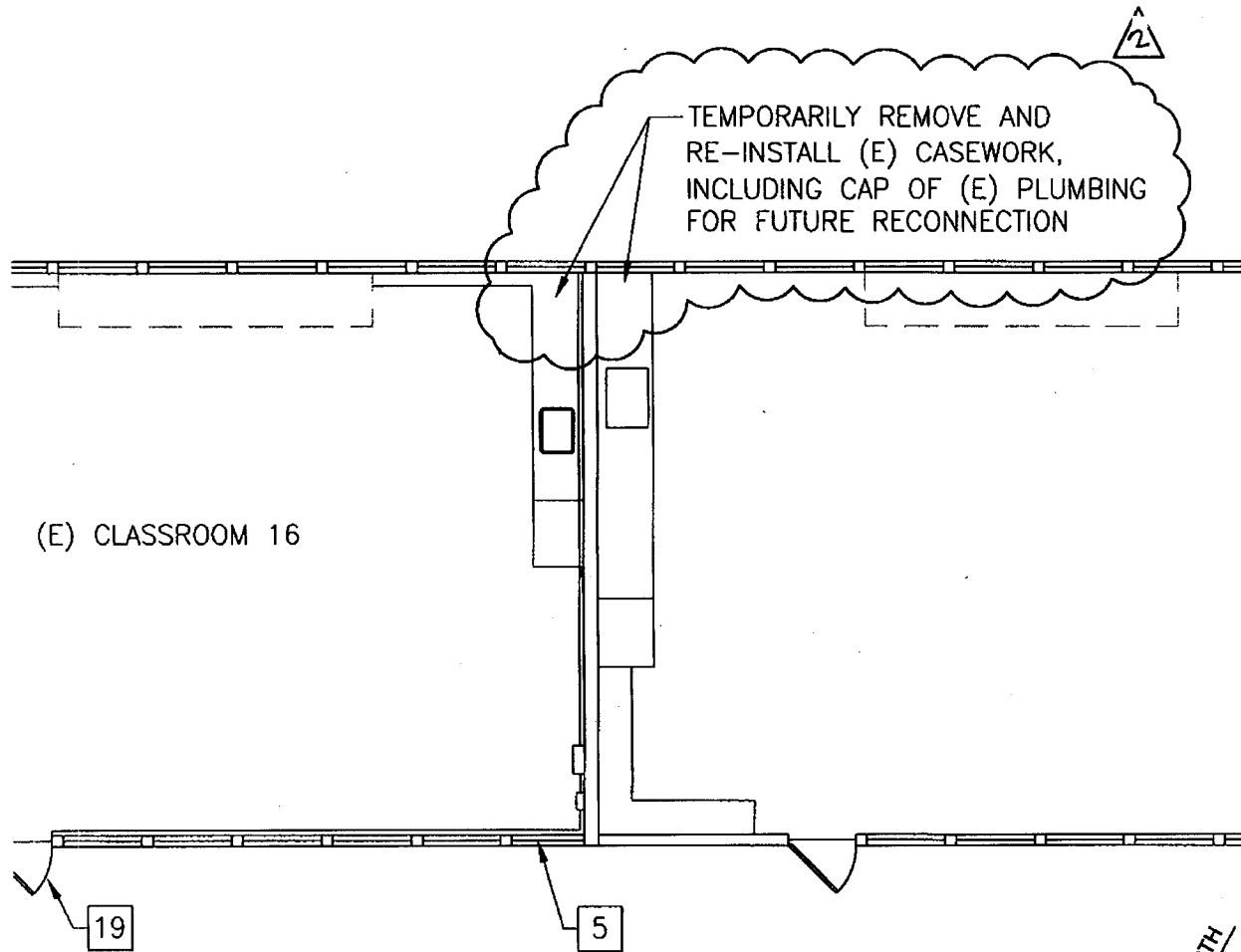
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2 PARTIAL DEMOLITION PLAN — BUILDING A

1/8" = 1'-0"

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2

EXPOSED ROOF JOIST
RIPPED FROM 2x14 TO
MATCH (E) RAFTER TAILS

BUILT-UP ROOF ON PLYWOOD
ROOF SHEATHING ON 2x JOISTS
W/ R-30 BATT INSULATION

2
A6.1

7'-0"

JOIST LAP
- SEE

6
S2.1

2x4 @ 16" O.C.
STUD WALL W/ R-13
BATT INSULATION

CONCRETE SIDEWALK -
SEE

16
S2.1

6" MATCH
THE EXISTING
CONDITION

FF

6" MIN.

8"

4"

12" 12"

8" 8"

7
A6.1

CL FOOTING,
WALL STUD

2

BUILDING SECTION

1/4" = 1'-0"

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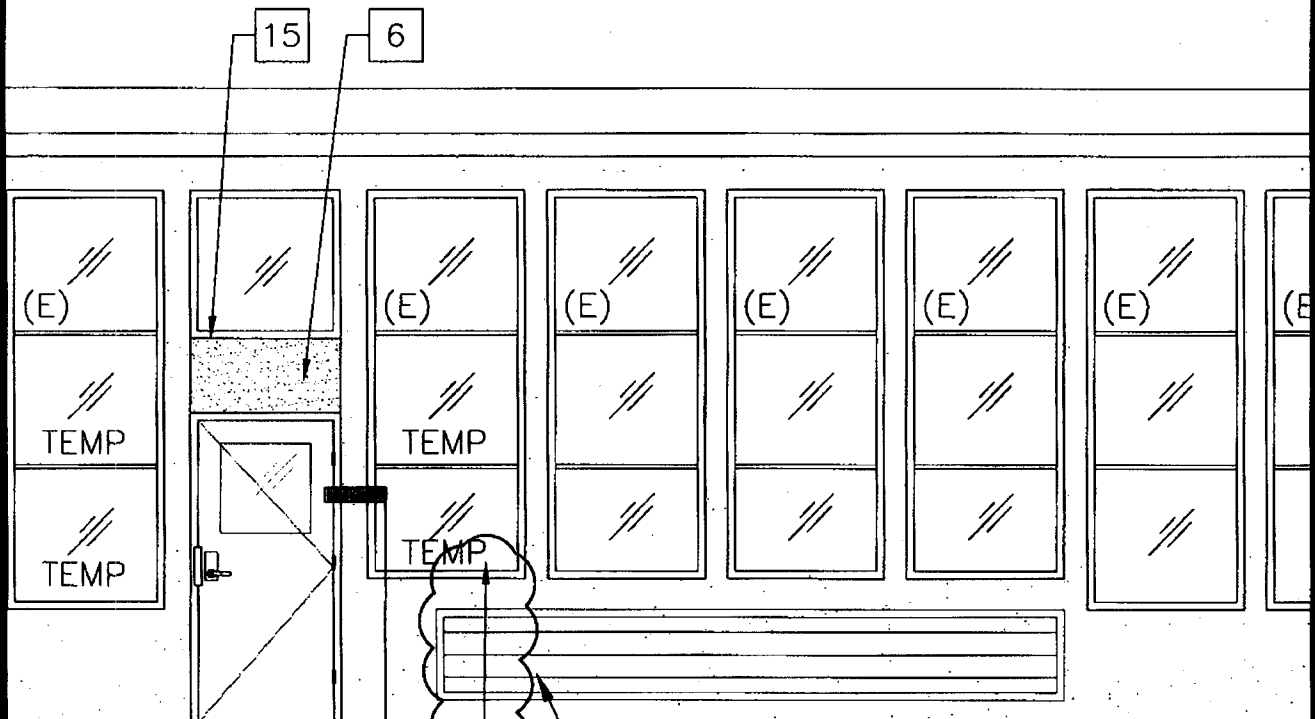
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2
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NORTH ELEVATION — BLDG B

1/4" = 1'-0"

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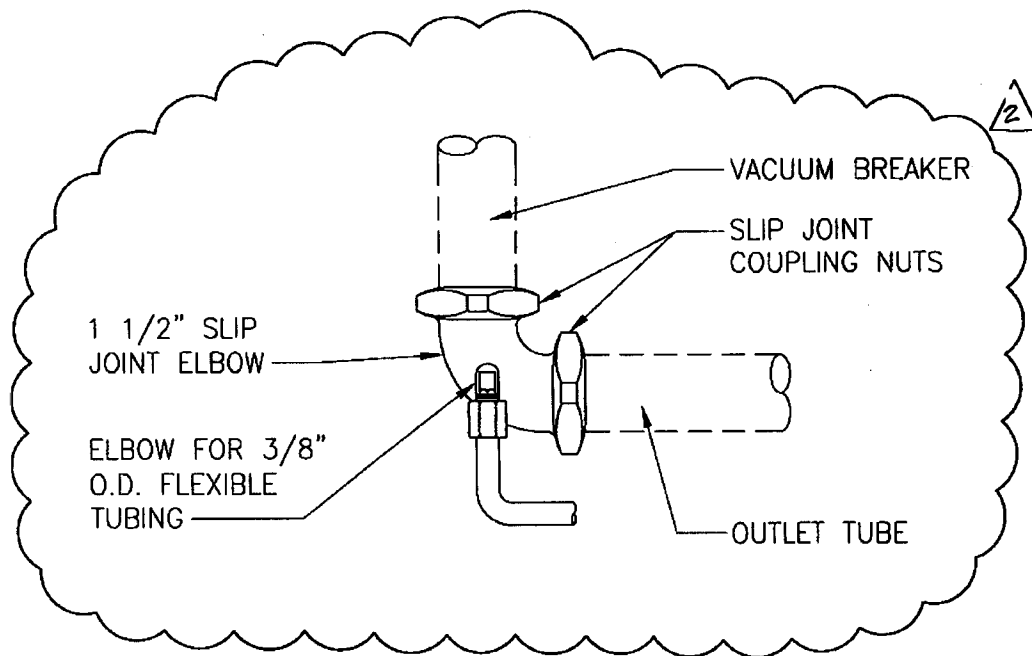
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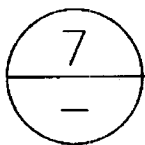
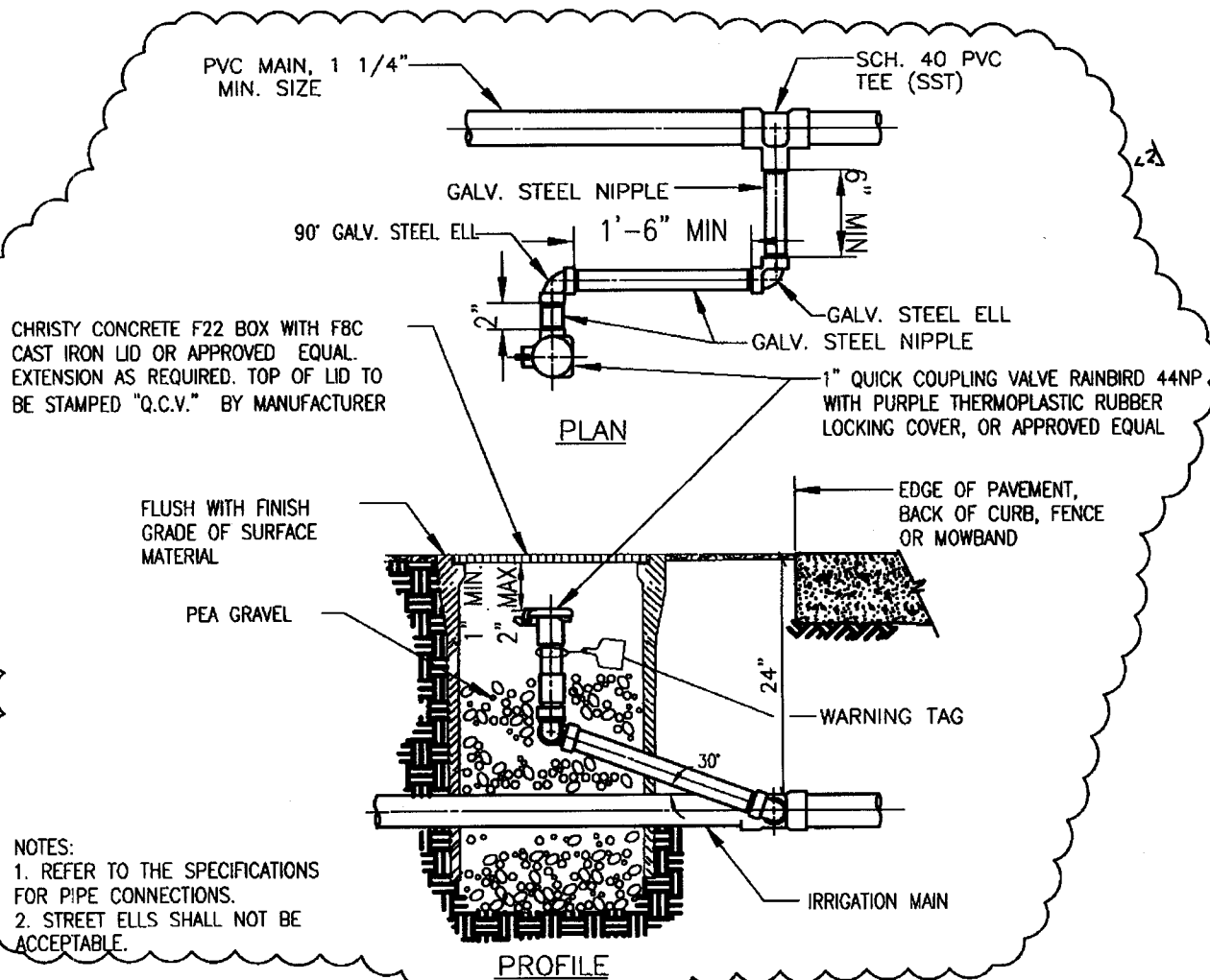
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2 TRAP PRIMING CONN DETAIL

NTS

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QUICK COUPLER VALVE

NTS

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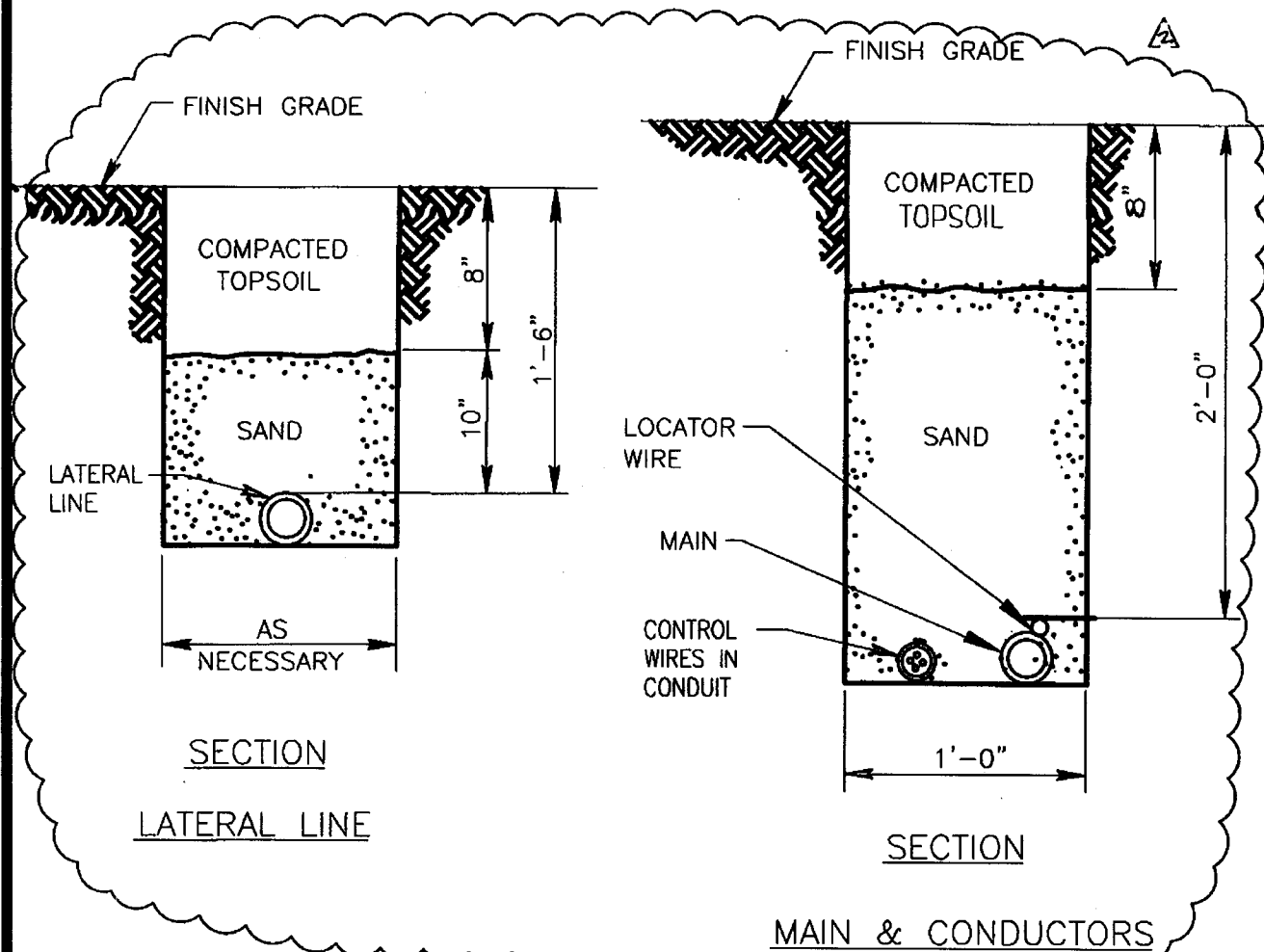
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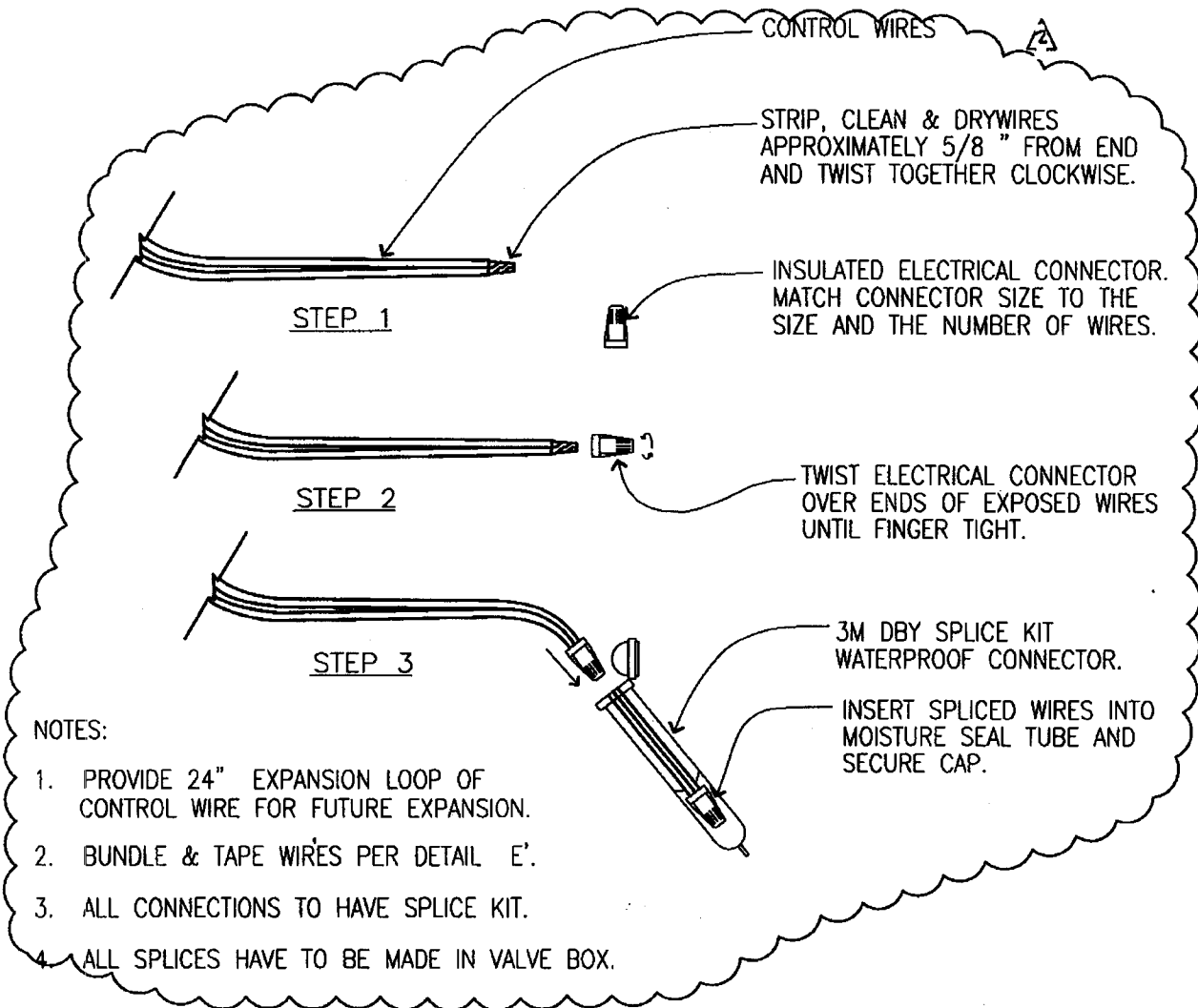


9
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TYPICAL PIPE TRENCHING

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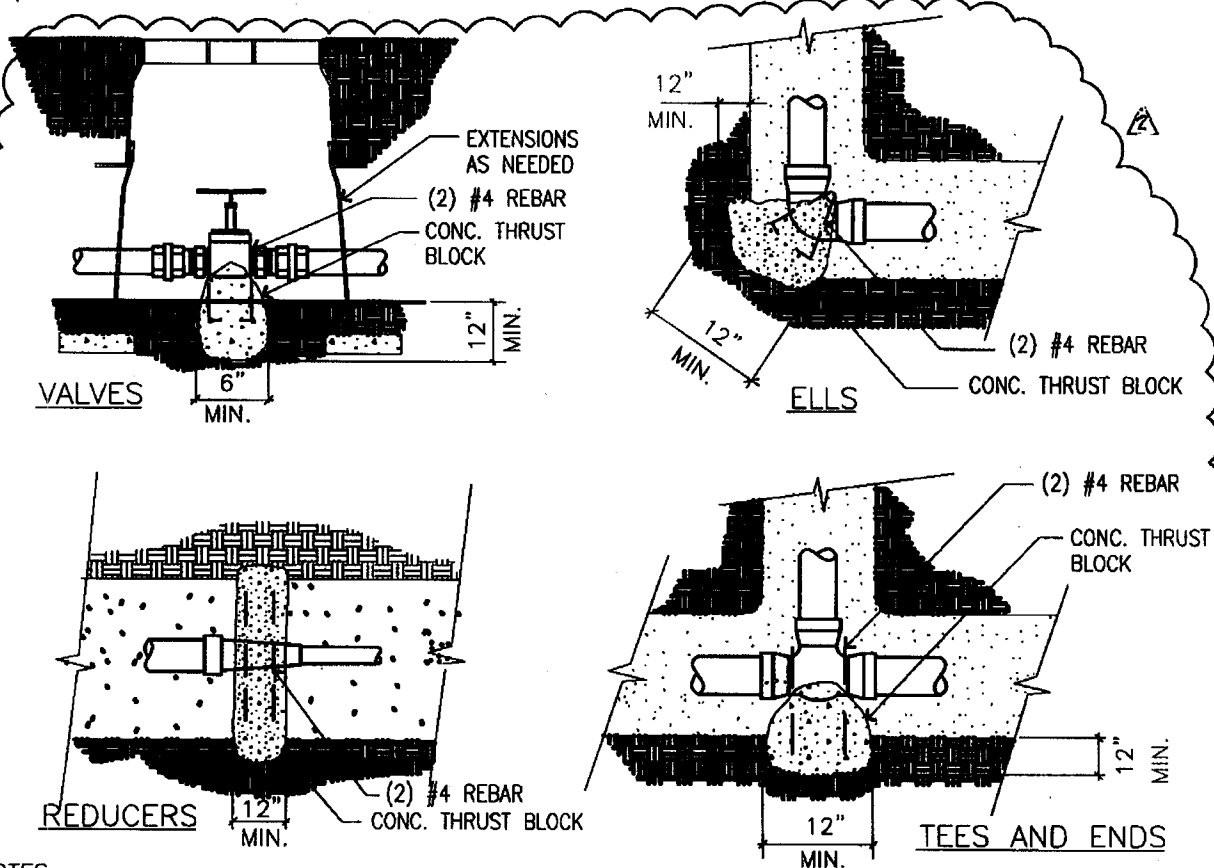
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10 WIRE SPLICING

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NOTES:

1. THRUST BLOCKS SHALL NOT PROJECT HIGHER THAN 1/2 THE DISTANCE FROM THE BOTTOM OF THE TRENCH TO THE FINISH GRADE. DO NOT COVER ENDS OF FITTINGS OR BOLTS WITH CONCRETE.
2. CONCRETE SHALL HAVE COMPRESSION STRENGTH OF 2000 PSI.
3. THRUST BLOCKING IS REQUIRED WHERE: PIPE CHANGES DIRECTION; PIPE CHANGES SIZES; STOPS OR DEAD ENDS; THRUST DEVELOPS AT VALVES; THRUST DUE TO HIGH PRESSURE IS EXPECTED.

13

THRUST BLOCKS

NTS

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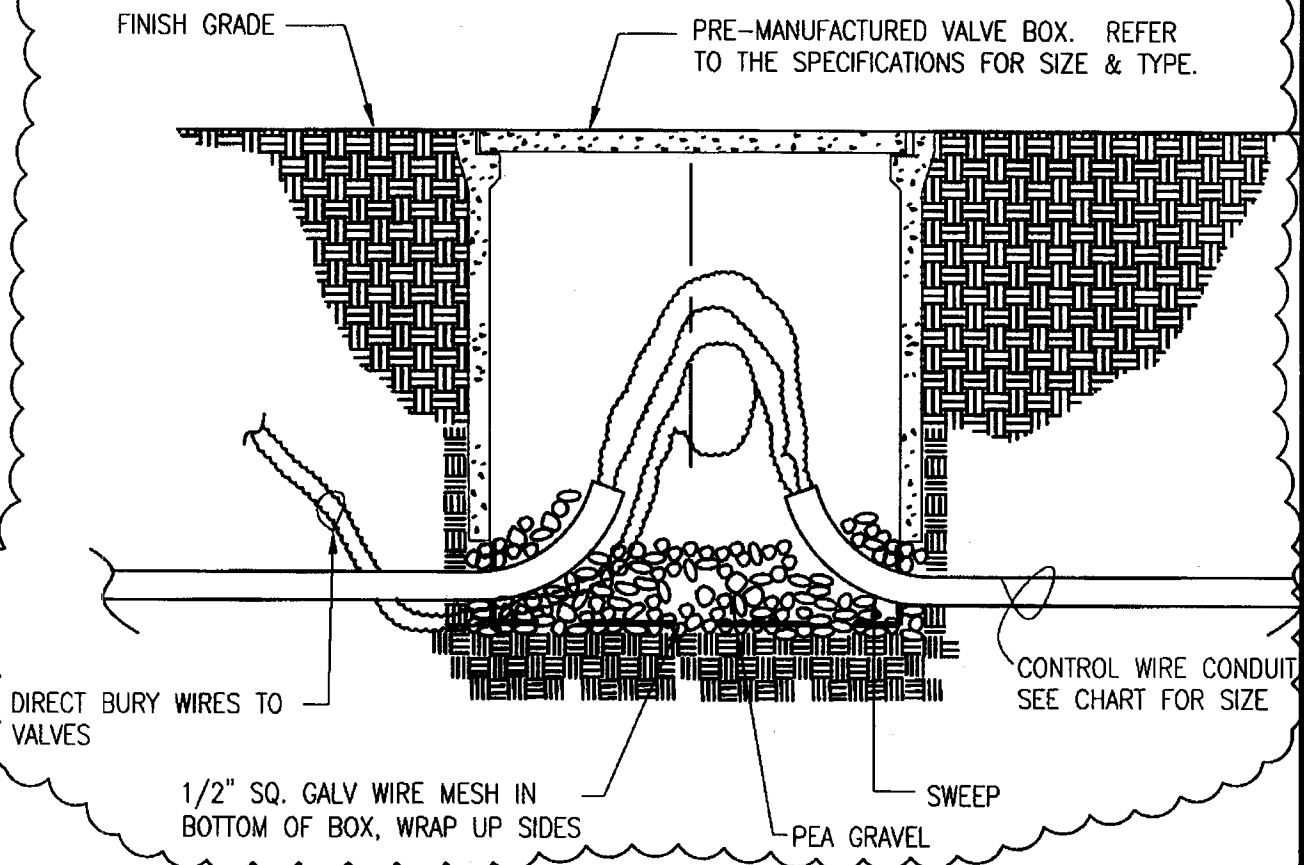
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NOTES:

1. JUNCTION BOX SHALL BE INSTALLED EVERY 150 FEET MAXIMUM AND/OR AT EVERY VALVE GROUPING OF TWO OR MORE VALVES.
2. LOOP ALL CONTROL WIRES UP INTO BOX A MINIMUM OF 3 FEET, INCLUDING 5 EXTRA WIRES.



14

CONTROL WIRE PULL BOX

NTS

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ADDENDUM # 2

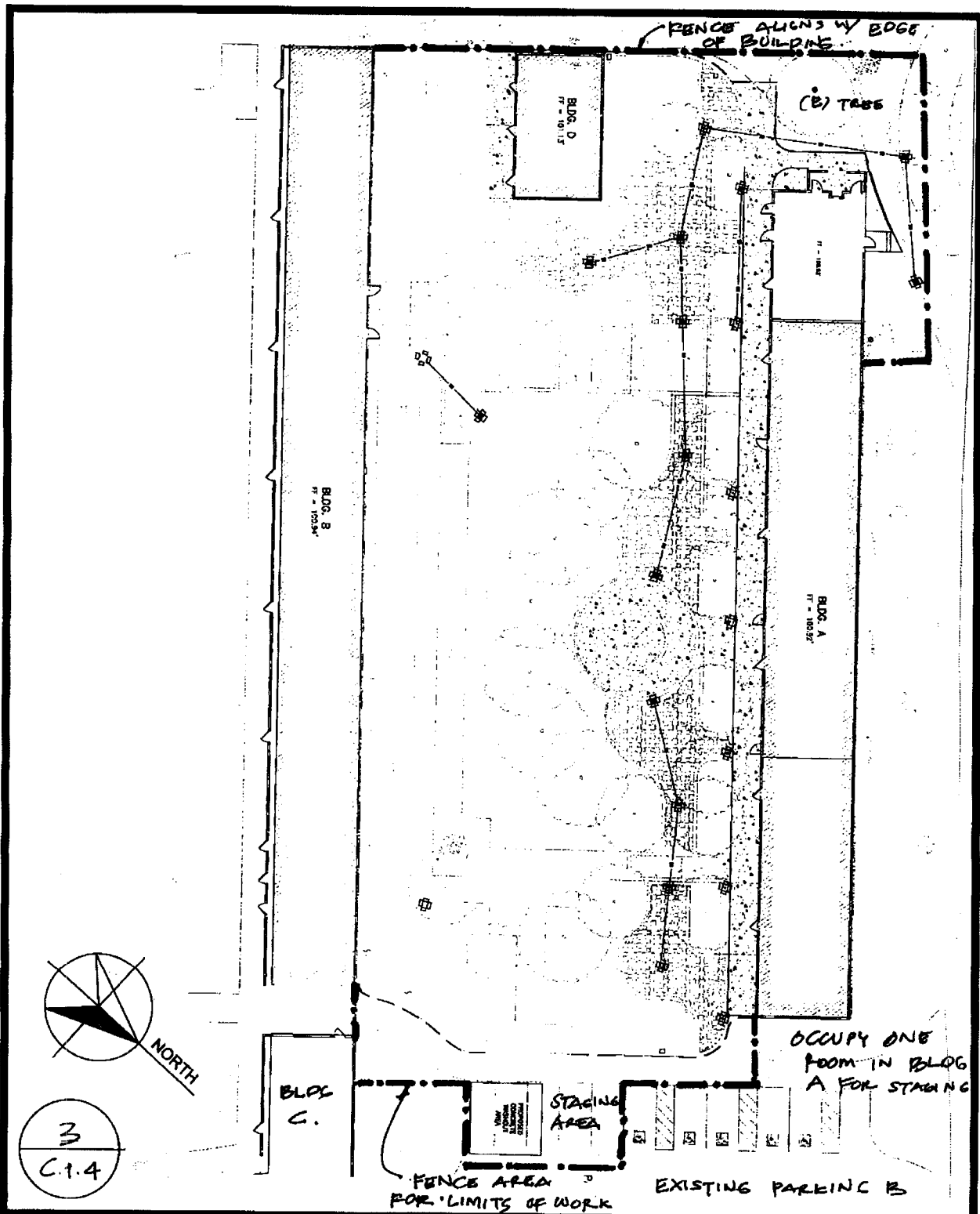
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